

Buckman
Water
Diversion
Project
EIS

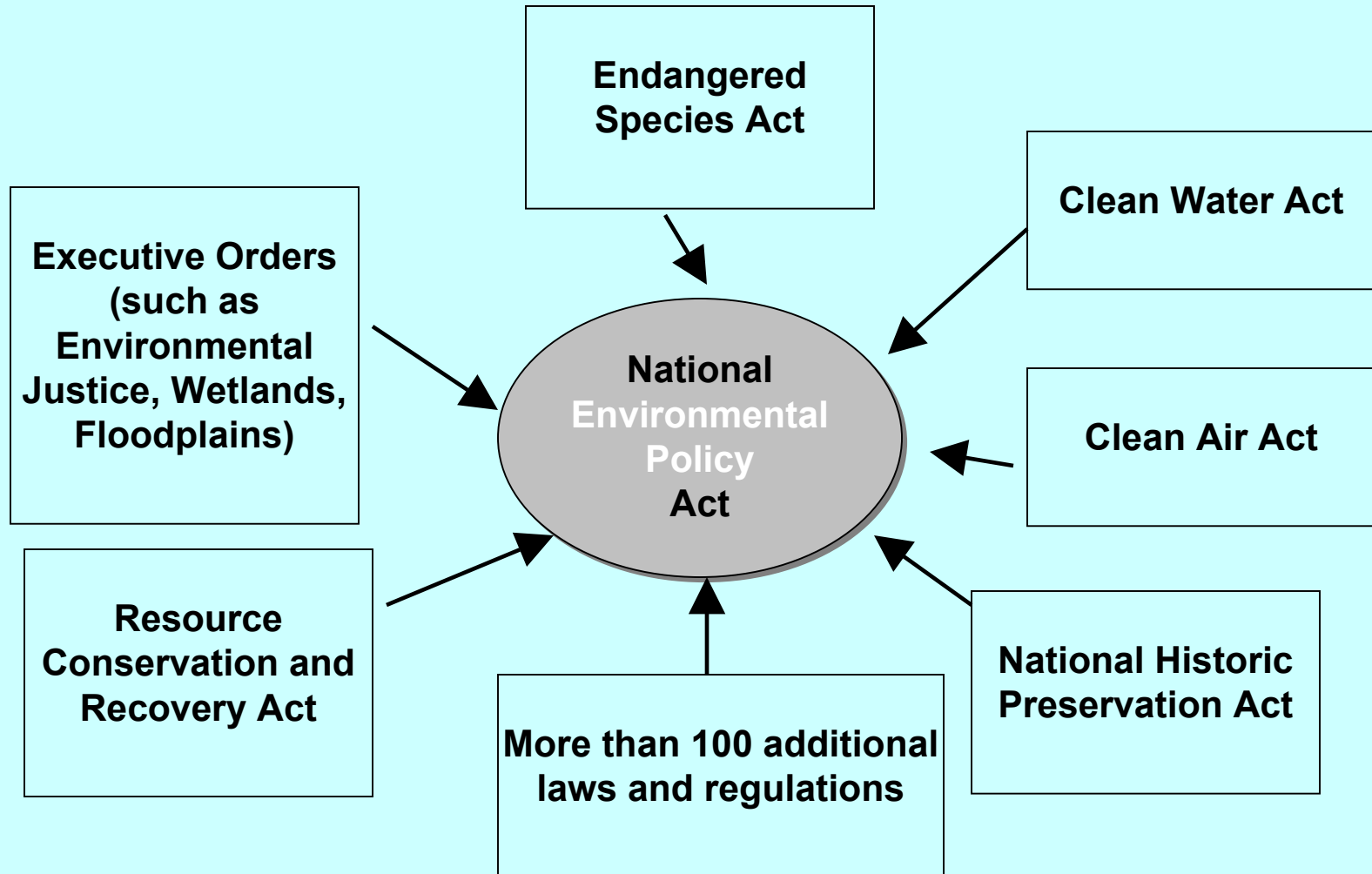
The Buckman Water Diversion Project

- How does the planning process work?
- What is the Public's role?
- What is the purpose of the proposal?
- Who is involved?
- What is the project?

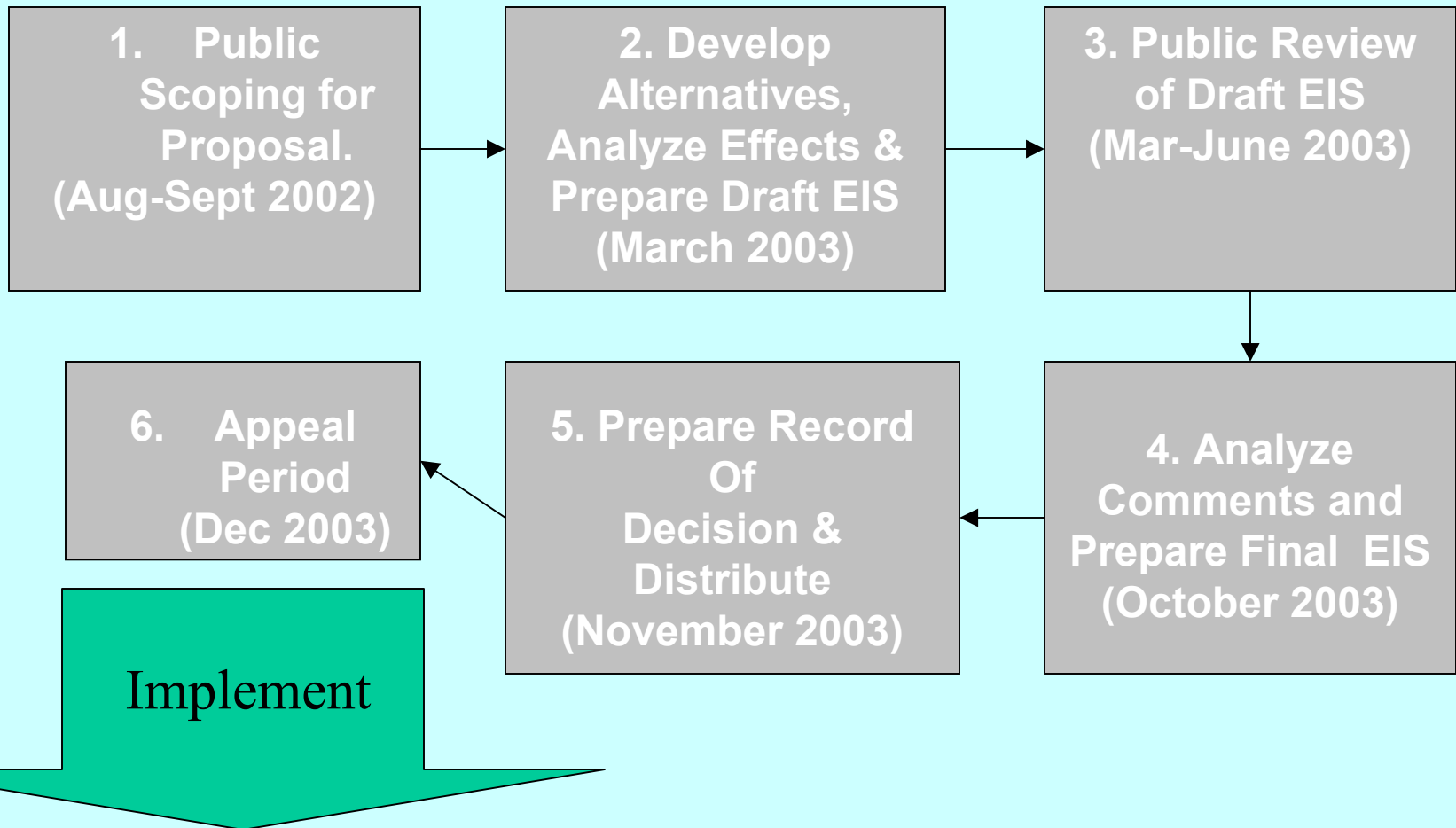
What is the NEPA process? & Why do it for this project?

- Required when Federal activity or funding are involved
- Elicits public input and feedback on the proposal.
- Documents possible environmental effects.
- Provides a logical framework for developing project implementation plans.

Major Environmental Planning Laws, including the NEPA Process



Steps to Analyze the Buckman Water Diversion Project



Goals of Public Participation

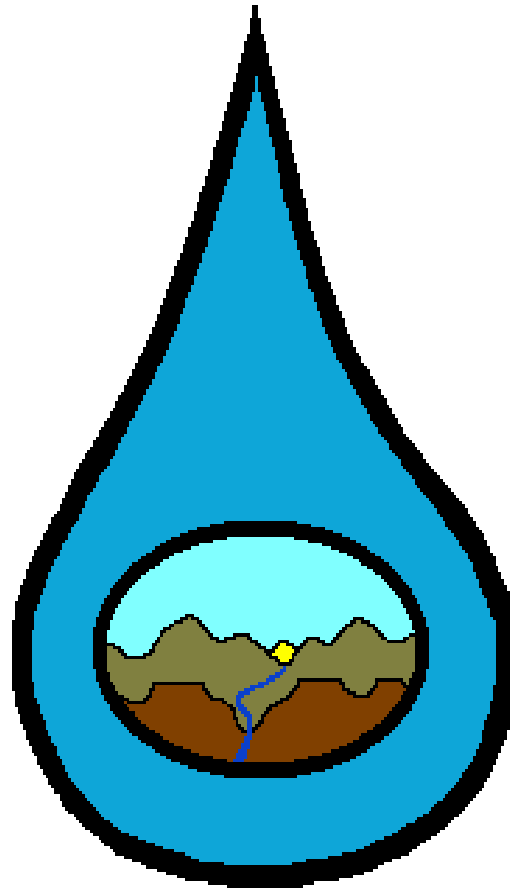
(e.g. Scoping and public review of the DEIS)

- Engage the public in order to share information and identify issues.
- No surprises.
- Make successful decisions.

Scoping

“There shall be an early and open process for determining the scope of issues to be addressed and for identifying the significant issues related to a proposed action.”

40 CFR 1501.7

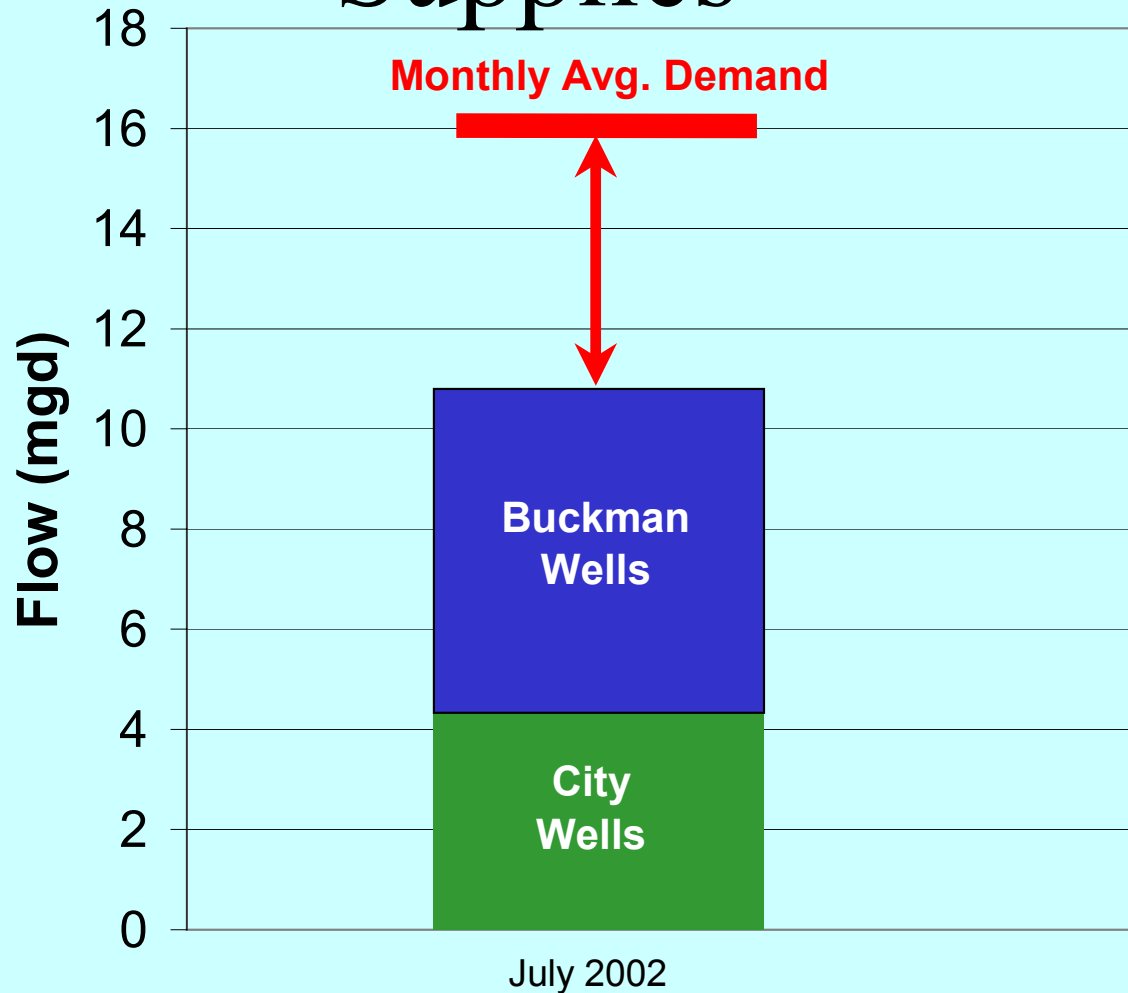


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What is the project's purpose?

- Continuing water shortages in the City of Santa Fe and surrounding area have highlighted a need to develop a means of accessing surface water supplies.
 - reliable
 - sustainable
- This is considered a critical and immediate need by the The City of Santa Fe, Santa Fe County, and Las Campanas Limited Partnership (project applicants).

Current Peak Demands & Supplies



Who is involved?

- Applicants
 - City of Santa Fe
 - Santa Fe County
 - Las Campanas
- Land Managers
 - Forest Service near river
 - BLM for most of the route
- Cooperators
 - Bureau of Reclamation

What is the Federal Connection?

- Forest Service and BLM would authorize use of Federal lands.
- Bureau of Reclamation may provide funding for part of the construction.
- Before such authorization can occur, effects of the action must be considered and disclosed.

What's the plan?

- The Water
- The Infrastructure

What's the plan?

- The Water
 - Projected near-term demand of 8,730 acre-feet per year
 - City of Santa Fe = 5,230
 - Santa Fe County = 1,700
 - Las Campanas = 1,800

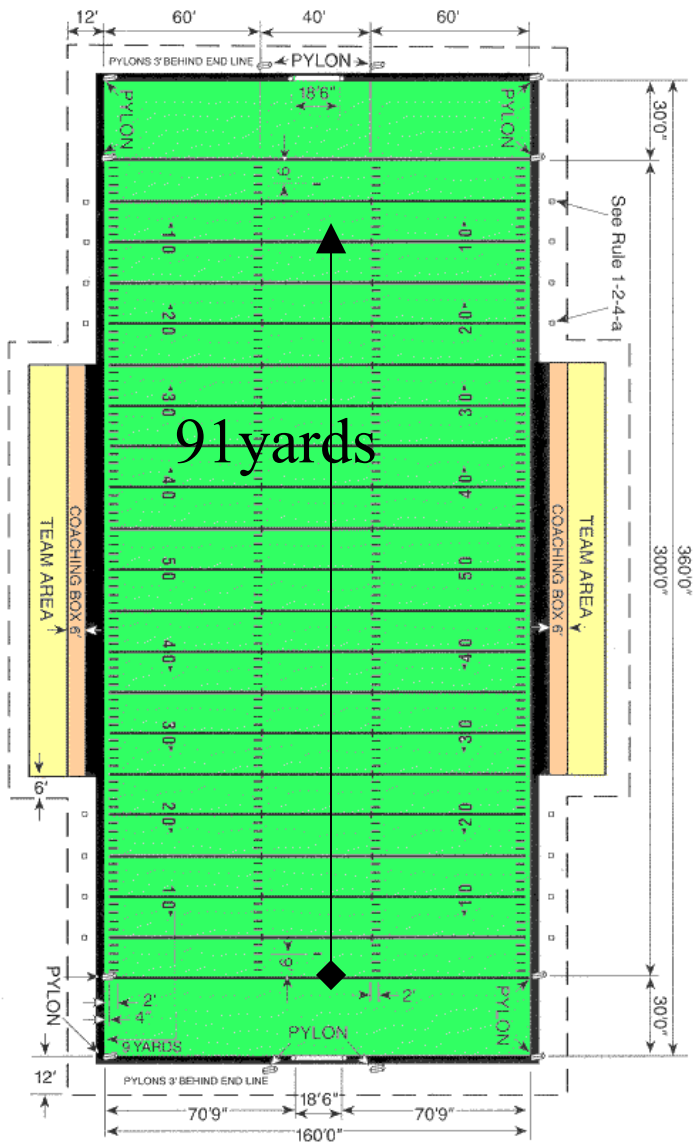
To 2010

To build out
 - Most is San Juan-Chama Project water. The rest is native water.

What's the plan?

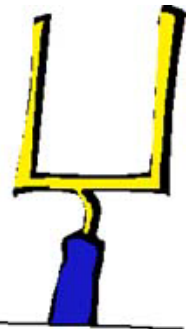
- The Water
 - Peak demand of 28 cubic feet per second (18 million gallons per day)
 - City/County = 15 million gallons per day
 - Las Campanas = 3 million gallons per day
 - Divert 32 cubic feet per second at peak demand
 - Return 4 cfs as part of sand removal process
 - Net peak removal of about 28 cfs

DIAGRAM OF FIELD



Demand Equivalent

18 million gallons per day
(55 acre-feet per day)



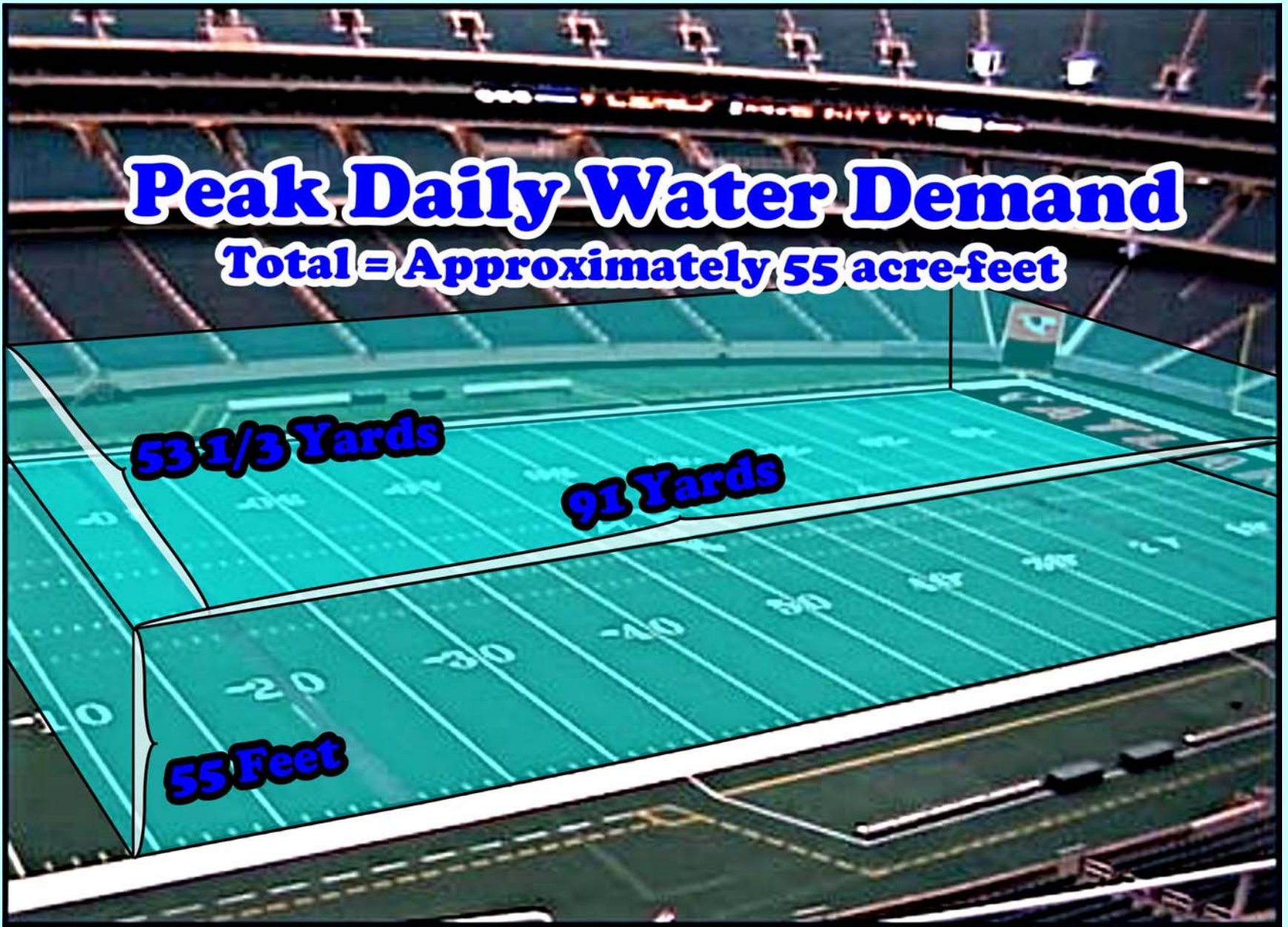
Peak Daily Water Demand

Total = Approximately 55 acre-feet

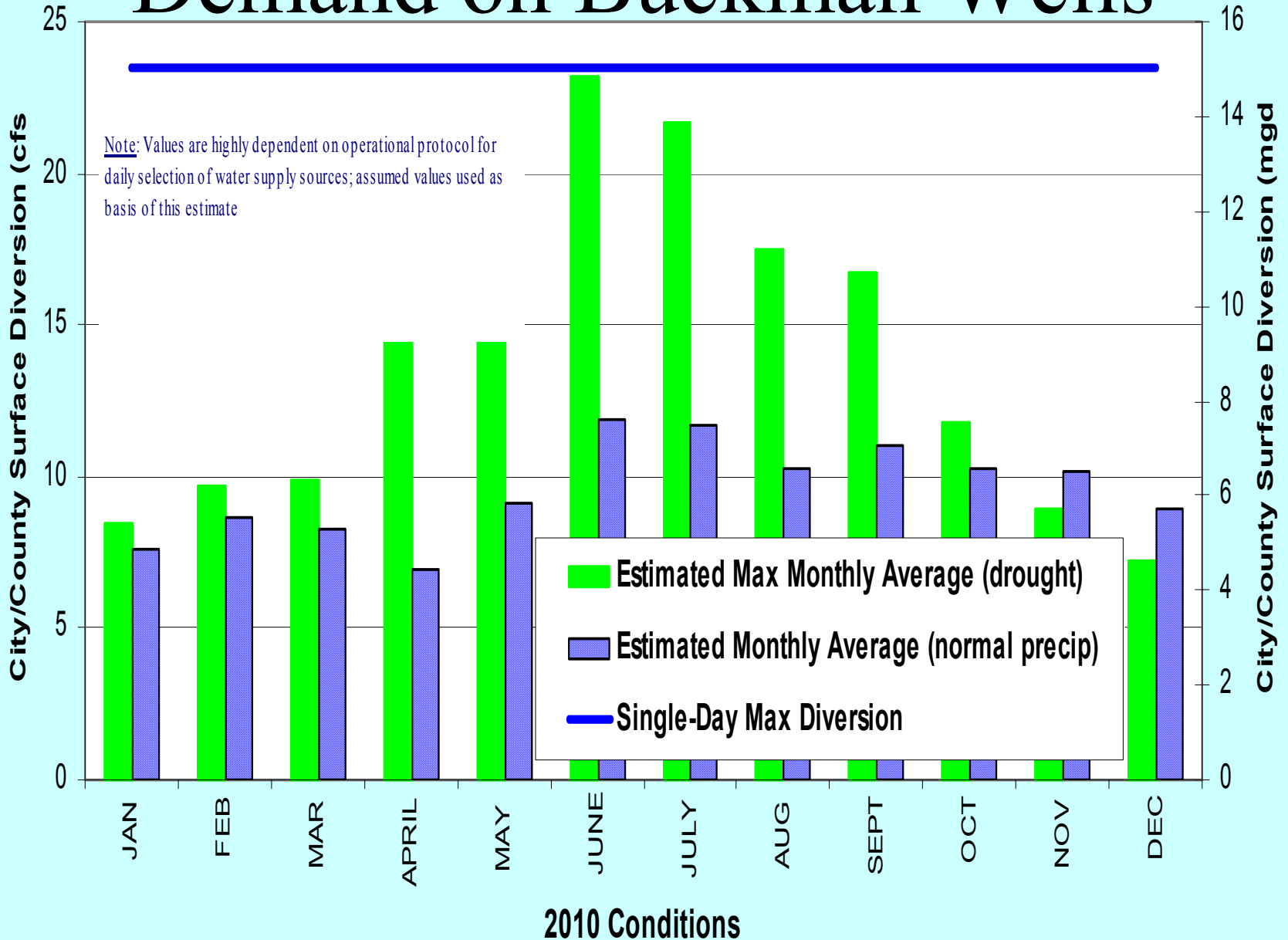
53 1/3 Yards

91 Yards

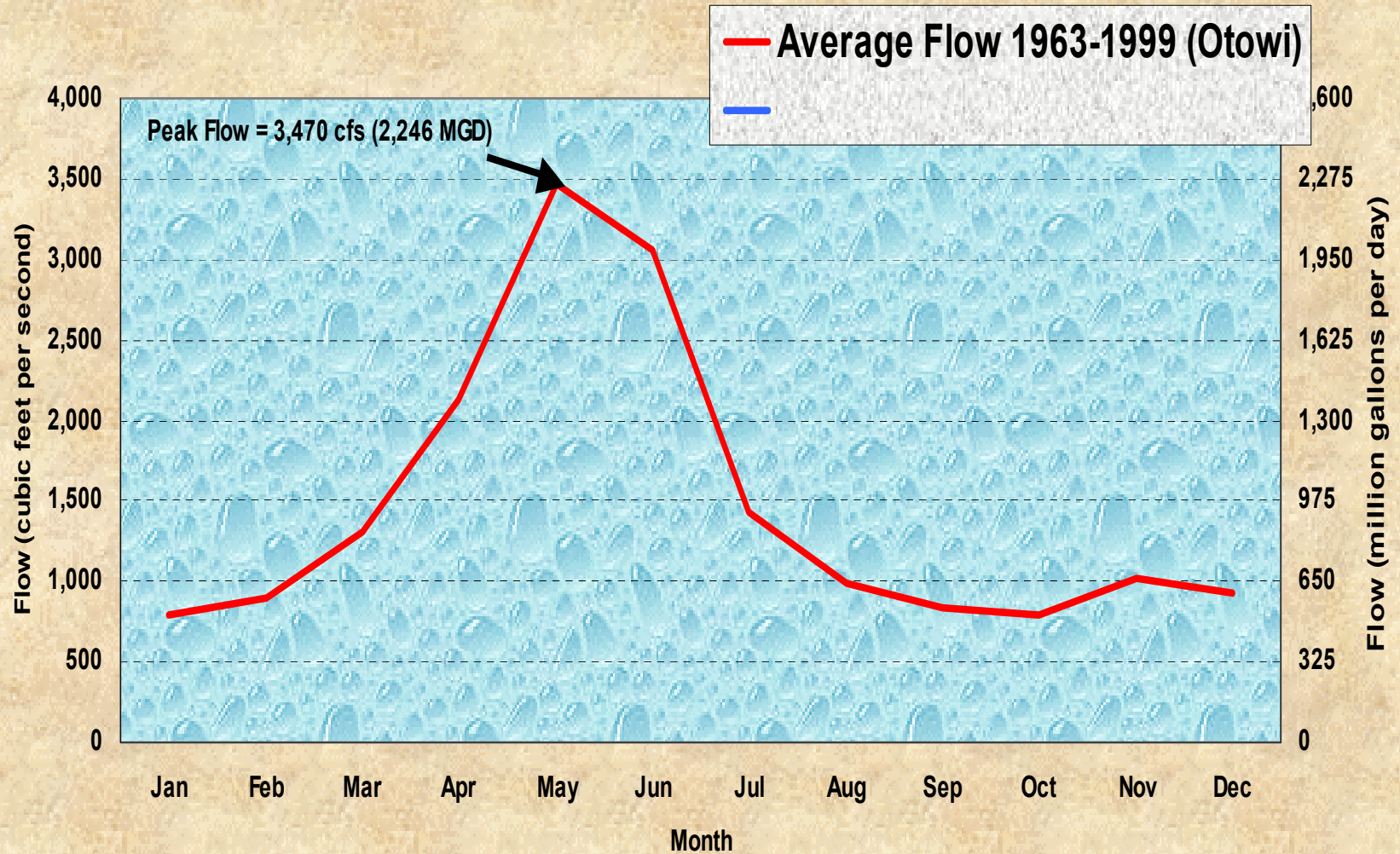
55 Feet



Demand on Buckman Wells



Demand and Flow of the Rio Grande



What's the project's plan?

- The Water
- The Infrastructure

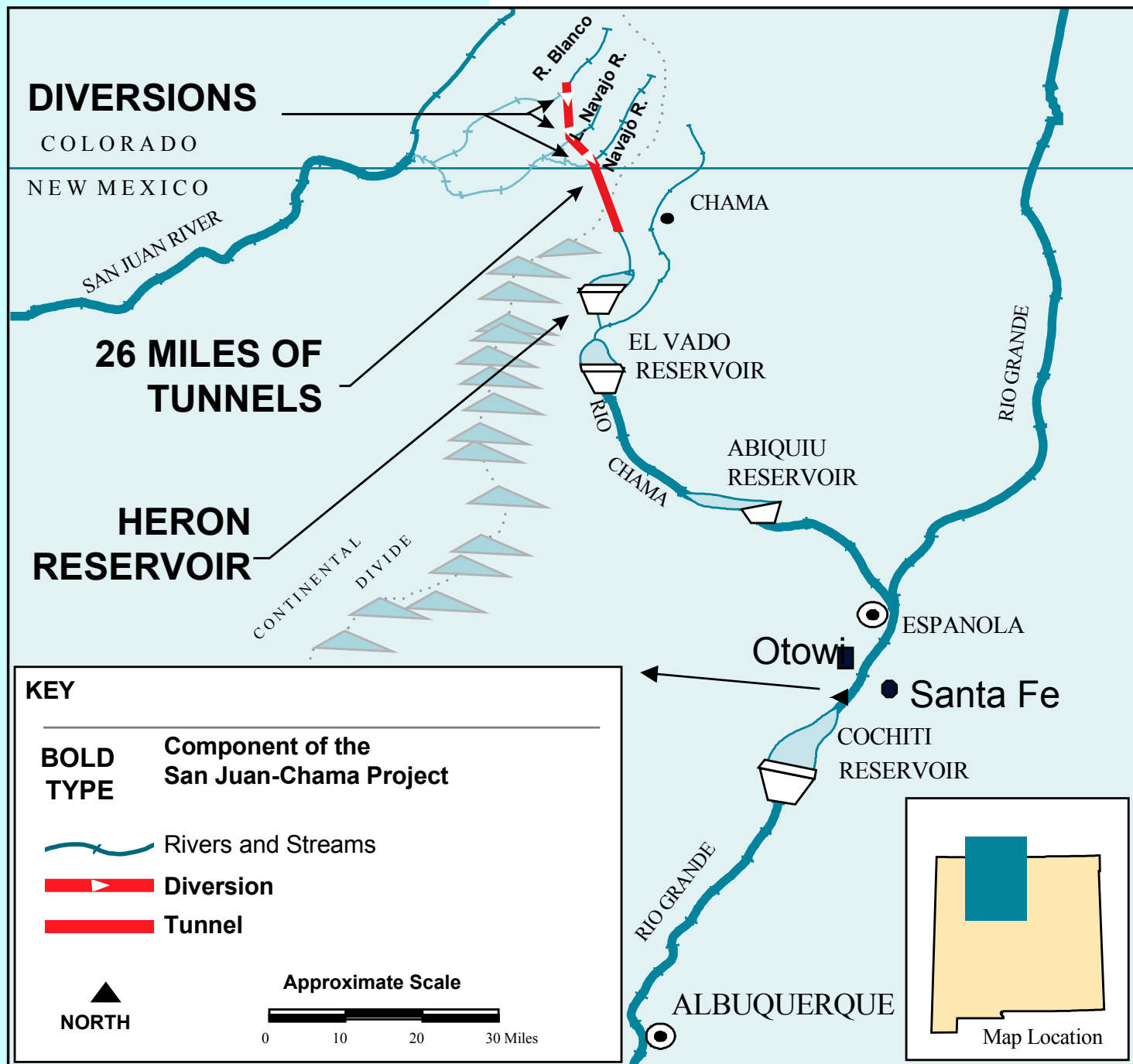
Existing River Conveyance

Near-river shared facilities

Pumping stations (shared and separate)

Water treatment Plants

City/County Distribution lines



What's the plan?

- Infrastructure
 - Existing River Conveyance
 - Near-river shared facilities

Buckman Riverfront
12-21-2000

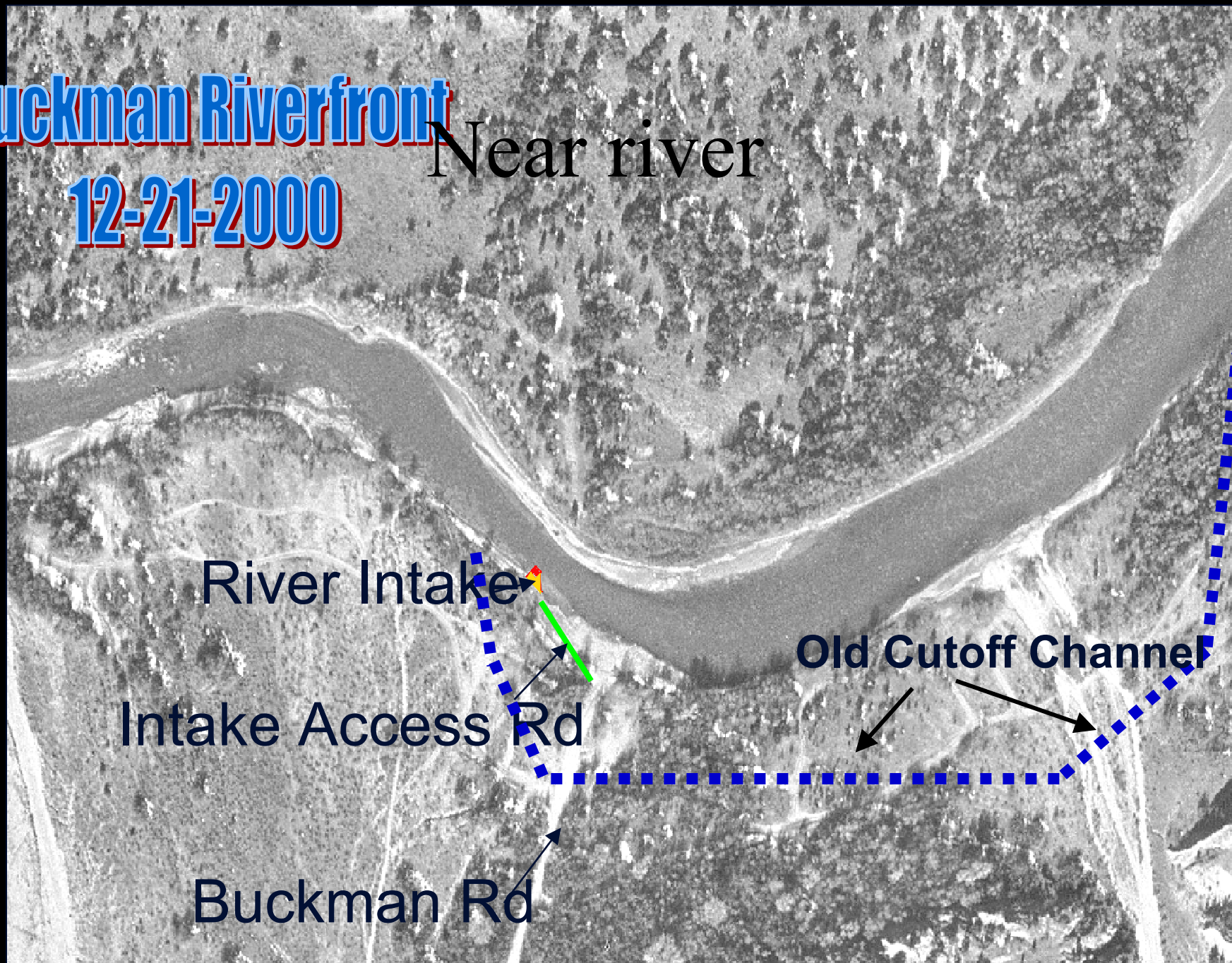
Near river

River Intake

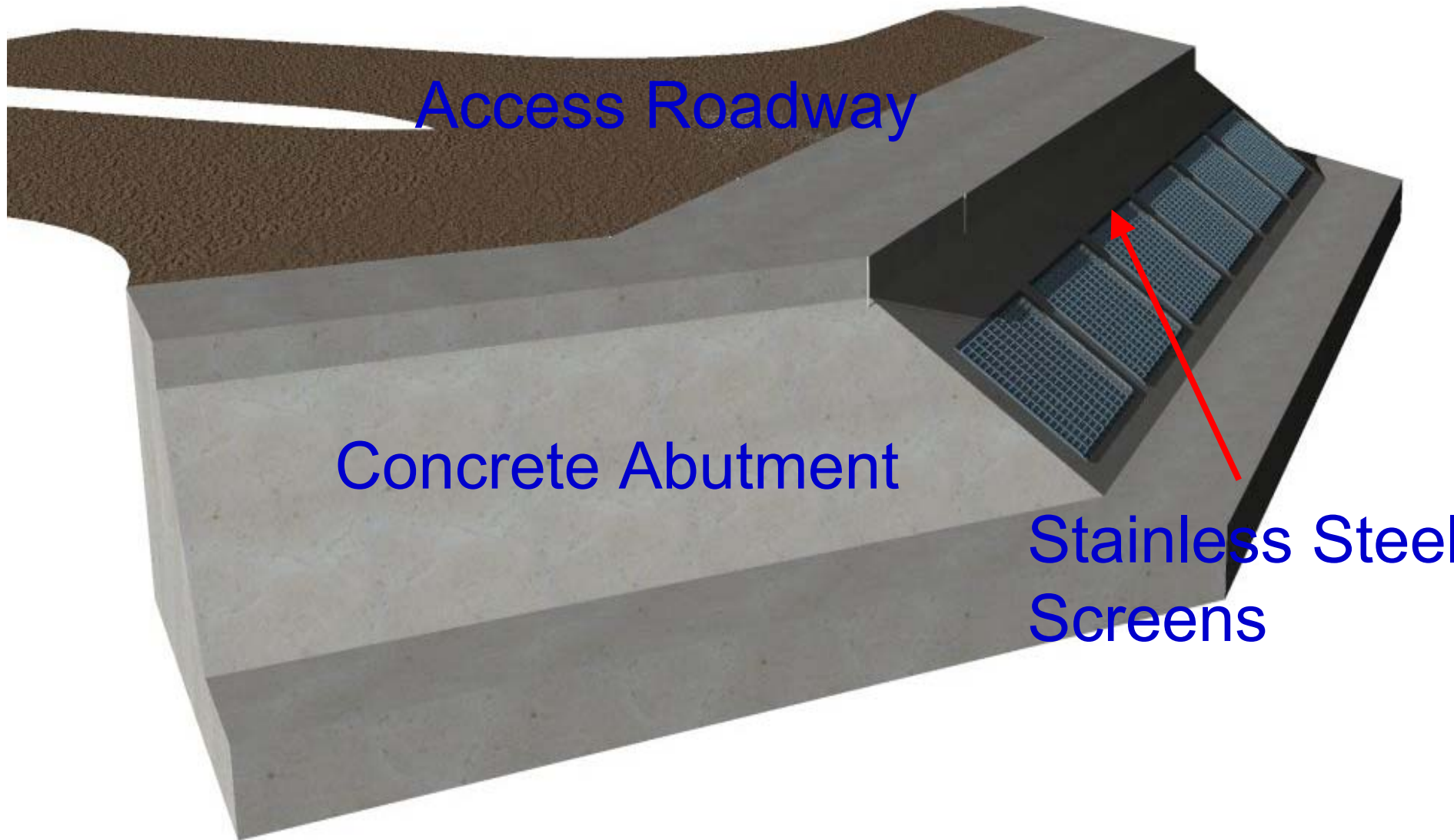
Intake Access Rd

Buckman Rd

Old Cutoff Channel



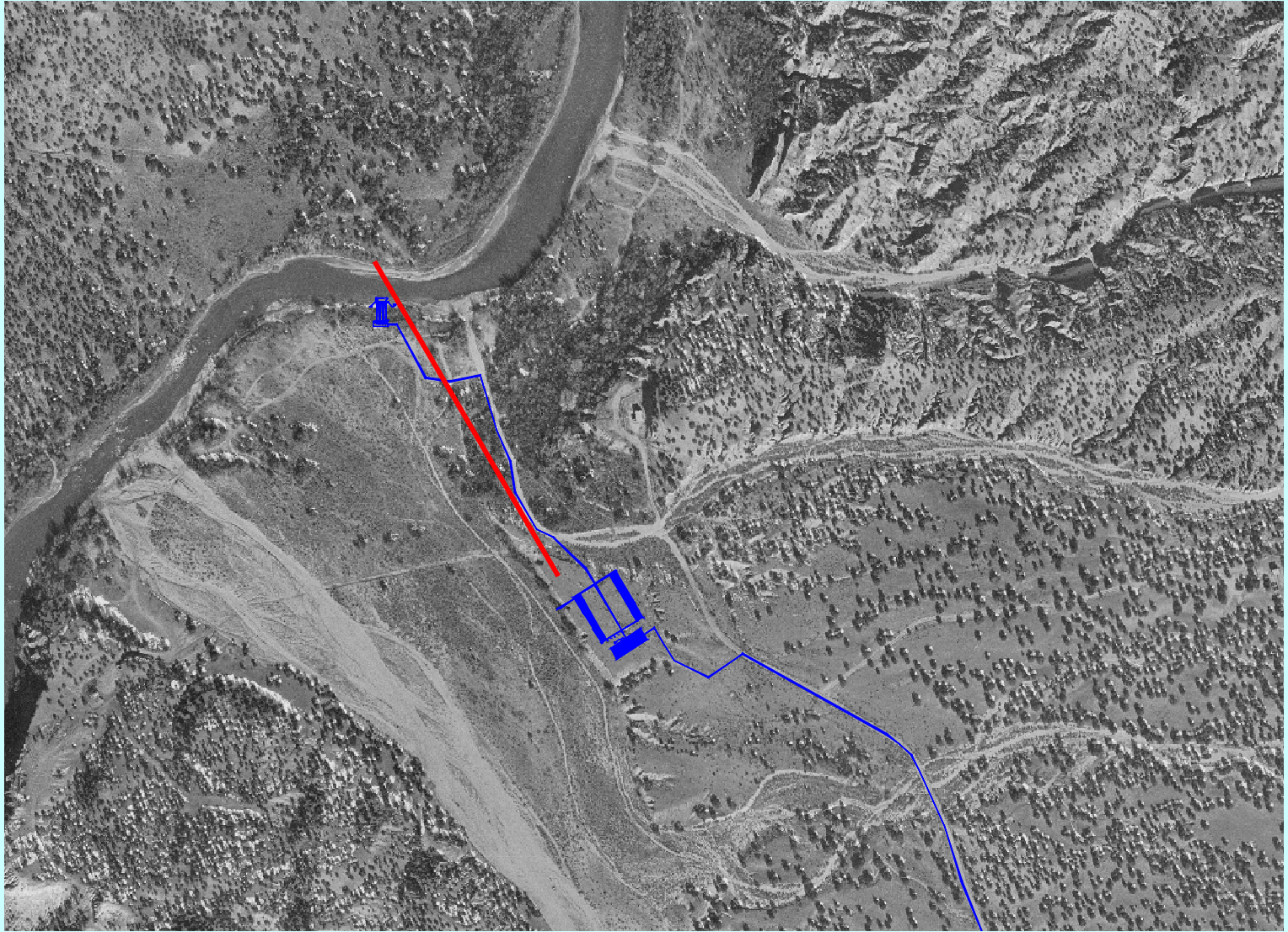
Buckman River Intake





**Simulated Intake
at Buckman (1-24-01)**

Sedimentation Ponds



What's the plan?

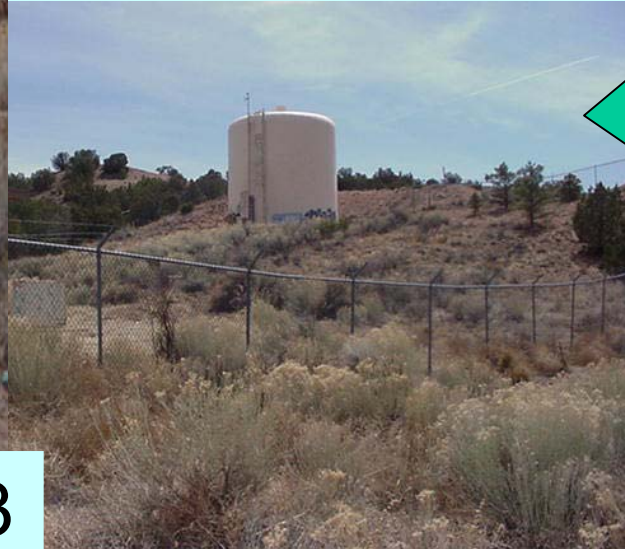
- Infrastructure
 - Existing River Conveyance
 - Near-river shared facilities
 - Pumping stations (shared and separate)





Tank and Booster Station 3

Tank at Booster Station 2



What's the plan?

- Infrastructure

Existing River Conveyance

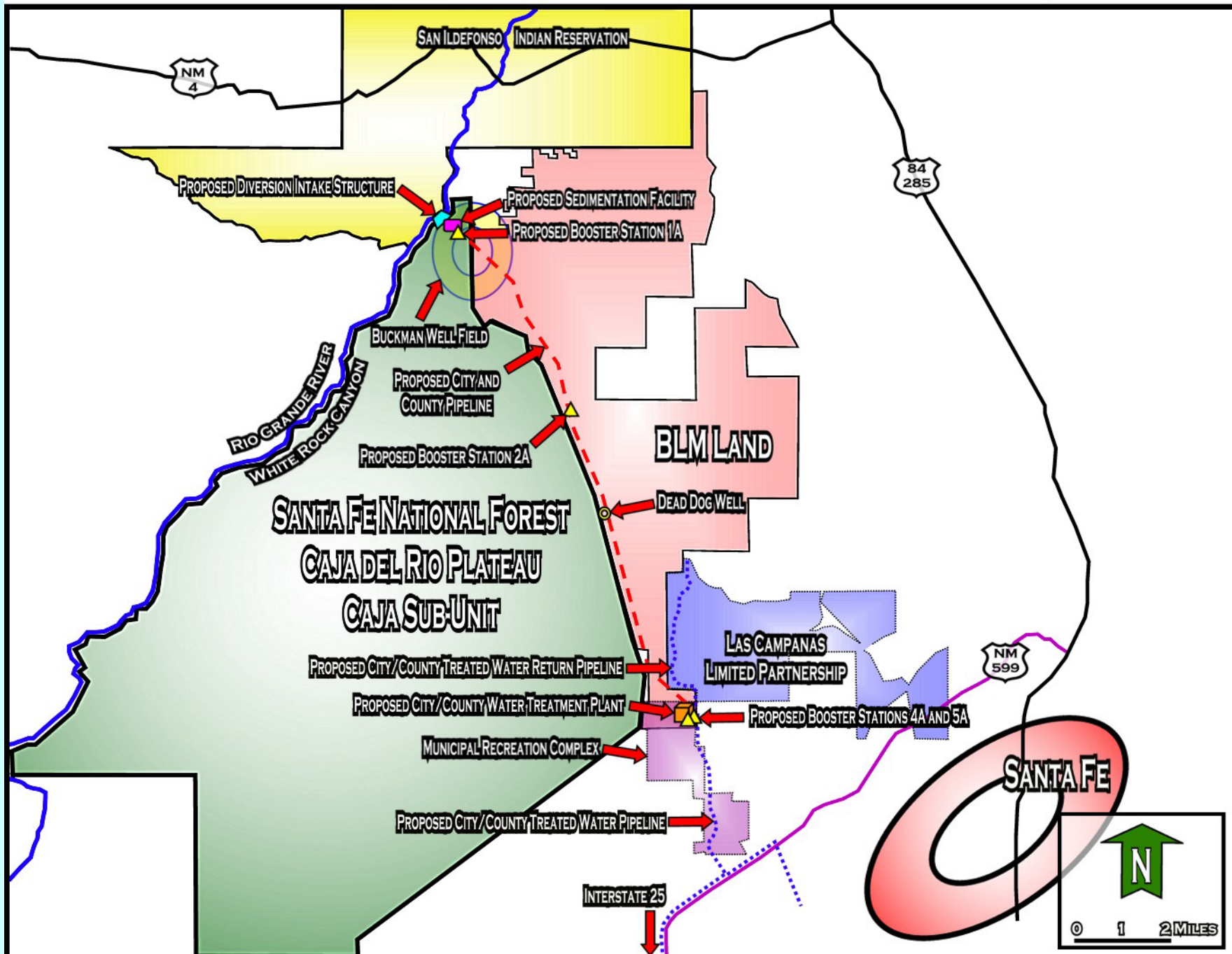
Near-river shared facilities

Pumping stations (shared and separate)

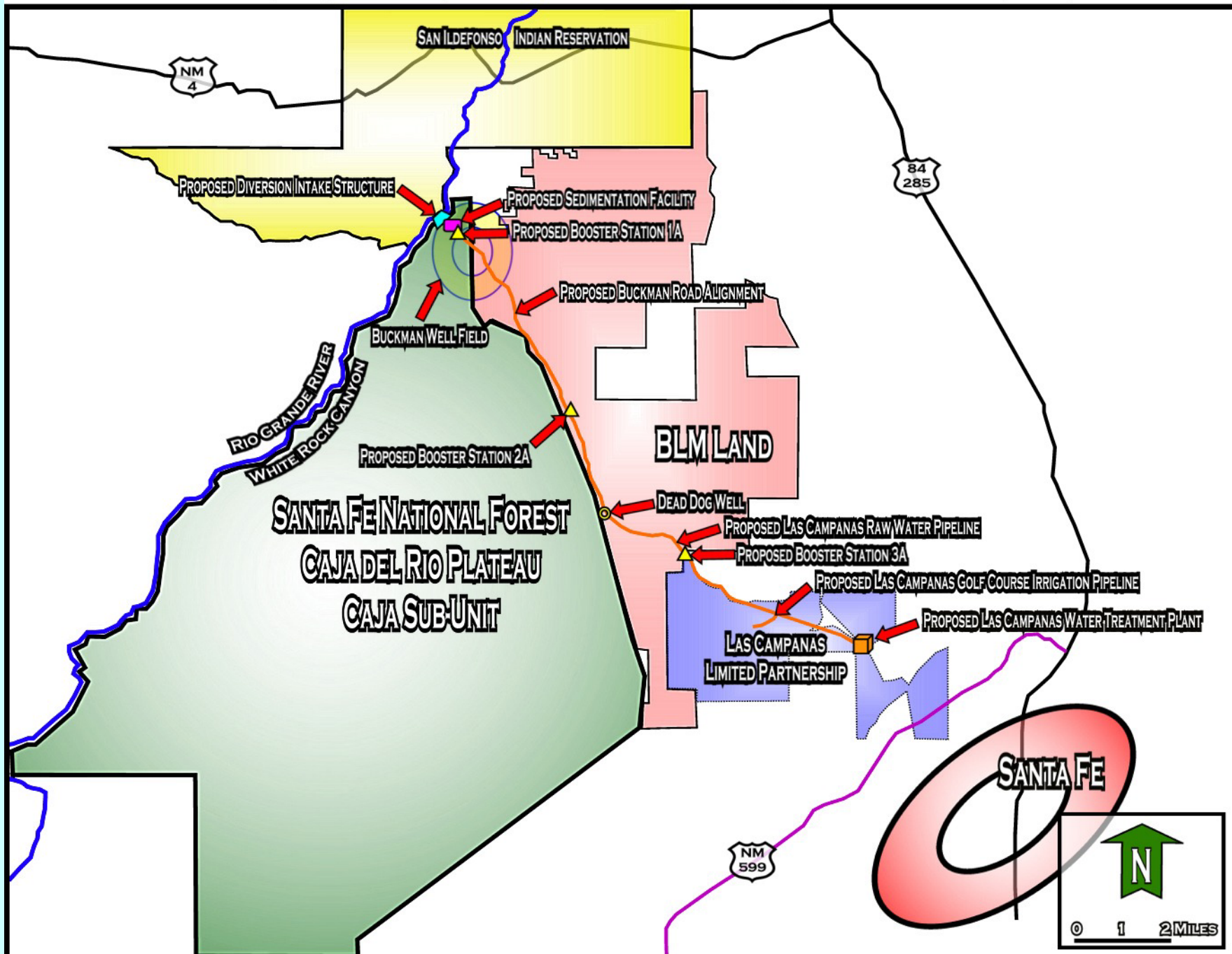
Water treatment Plants

City/County Distribution lines

PROPOSED CITY/COUNTY WATER DIVERSION PROJECT MAP



PROPOSED LAS CAMPANAS WATER DIVERSION PROJECT MAP



BUCKMAN WATER DIVERSION PROJECT MAP

